CIM53 — PYTHON PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   Define Strings.

2.   What are called Dictionaries?

3.   Write the general syntax of if statement.

4.   Define function.

5.   List any TWO class attributes.

6.   What are called an Instances?

7.   List any TWO time functions.

8.   Define a file.

9.   What is known as web programming?

10. Define cursor.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write short notes on Python Interpreter.

Or

(b) Illustrate any TWO List operations.

12. (a) Discuss the significance of using for statement.

Or

(b) Explain the concept of variable-length arguments with suitable example.

13. (a) Describe the concept of Polymorphism.

Or

(b) Elucidate the process of binding and method invocation.

14. (a) Discuss the concept of writing to a file with example.

Or

(b) Elucidate any four standard library functions related to files.

15. (a) Discuss any two python database adapters in detail.

Or

(b) Explain about Type objects and constructors with example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about Program Input and Program Output in detail.

17. Explain the process of detecting and handling exceptions.

18. Describe the various instance attributes in detail.

19. Elucidate any four methods of file objects

20. Discuss in detail about python database application programmers interface (DB-API).